

## Abstract

A data acquisition and display system comprises: a data acquisition device, such as a camera, microscope, telescope, thermal imager, medical scanning device, radar etc, operable to acquire data in scans over a field of interest using each of at least a first and a second data acquisition method. A field data storage device stores the field data together with corresponding field location data that describes a location within the field of interest. A field data display device such as a screen is operable to display simultaneously data from matched locations in the field of interest acquired respectively by the different data acquisition methods. The data, generally image data, may be superimposed or displayed side by side as desired. Preferably, one of the images being displayed is live whilst the other is recalled from the field data storage device.